

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

Adjustment date: 08/04/2004 UEDUVIJE  
08/03/2004 HNGUYEN 00000011 502726 10790168  
01 FC:2051 65.00 CR

Adjustment date: 08/04/2004 UEDUVIJE  
05/27/2004 HMOHAMMI 00000015 10790168  
01 FC:2001 -385.00 OP  
02 FC:2202 -180.00 OP

08/04/2004 UEDUVIJE 00000014 502726 10790168  
01 FC:1001 205.00 DA 565.00 OP  
~~02 FC:1051 130.00 DA~~  
03 FC:1202 360.00 DA

Adjustment date: 09/14/2004 EEKUBAY1  
08/04/2004 UEDUVIJE 00000014 502726 10790168  
02 FC:1051 130.00 CR

PTO-1556  
(5/87)

09.14.04

Page 1 of 2



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(a) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/790,168	03/01/2004	Charles L. Sobchak	MTRL023US0 (SC13176ZC)

37141  
HULSEY, GREYER, FORTKORT & WEBSTER, LLP  
8911 N. CAPITAL OF TEXAS HWY.  
SUITE 3200  
AUSTIN, TX 78759

CONFIRMATION NO. 1010

## FORMALITIES LETTER



\*OC000000012828311\*

Date Mailed: 06/01/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$65 for a Small Entity

- \$65 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

BEST AVAILABLE COPY

Page 2 of 2

Cue  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

BEST AVAILABLE COPY

**HULSEY GRETHOR +  
FORTKORT, LLP**  
INTELLECTUAL PROPERTY LAW

8911 N. CAPITAL OF TEXAS HWY., SUITE 3200  
AUSTIN, TEXAS 78759  
TJ (512) 279-3100  
FJ (512) 279-3101

**FACSIMILE TRANSMITTAL SHEET**

<b>TO:</b> USPTO; REFUND BRANCH	<b>FROM:</b> John A. Fortkort; Reg. No. 38,454
<b>COMPANY:</b> USPTO	<b>DATE:</b> 8/18/2004
<b>FAX NUMBER:</b> (703) 308-5077	<b>TOTAL NO. OF PAGES INCLUDING COVER:</b> 11
<b>PHONE NUMBER:</b> (703) 305-4631	<b>SENDER'S REFERENCE NUMBER:</b> MTRL023US0
<b>RE:</b> Request for Refund	<b>YOUR REFERENCE NUMBER:</b> USAN 10/790,168

☒ **URGENT**☒ **PLEASE REPLY**

Per a telephone conversation this morning with Reina Bernfeld of our office, please find attached a Request for Refund to our Deposit Account. Thank you for your assistance with this matter. If you have any questions or need further information, please do not hesitate to contact me at the telephone number on this letterhead.

INFORMATION CONTAINED IN THIS TRANSMISSION IS INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE AND MAY CONTAIN LEGALLY PRIVILEGED AND/OR CONFIDENTIAL INFORMATION. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPY OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE PERMANENTLY DELETE THIS MESSAGE AND IMMEDIATELY NOTIFY US BY TELEPHONE.

**BEST AVAILABLE COPY**

HULSEY GREYNER FORTKORT LLP

August 18, 2004

**FACSIMILE FILED WITH REFUND BRANCH AT: (703) 308-5077**ATTN: REFUND BRANCH  
U.S. Patent and Trademark OfficeRe: **Serial No.:** 10/790,168  
**Filing Date:** March 1, 2004  
**Deposit Acct. No.:** 502726**Inventor:** Charles L. Sobchak et al.  
**Our Ref. No.:** MTRL023US0

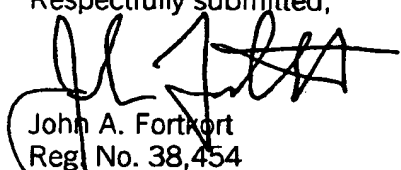
Dear Sir:

The inventors for the above-referenced U.S. patent application respectfully request that a refund of \$130.00 be credited to Deposit Account No. 502726. On August 4, 2004 our deposit account was erroneously charged \$130.00 as a late fee (fee code 1051). It is believed that no fee was due for the Response to Notice to File Missing Parts of Nonprovisional Application which we filed with the U.S. Patent Office on June 29, 2004.

The reason it is believed that no fee was due with this Response was that the information requested in the Notice to File Missing Parts of Nonprovisional Application was filed with the original application on March 1, 2004, and copies of the supporting documents were provided with our Response to Missing Parts filed on June 29, 2004. In the Response to Missing Parts it was also stated that we believed no fee was due with the Response to Missing Parts because the documents were previously filed with the original application. We are providing a copy of the Response to Missing Parts and the supporting documents herewith to assist in processing this request.

Therefore, it is respectfully requested that a refund of \$130.00 be credited to Deposit Account 502726. Thank you for your assistance with this matter. If you have any questions or need further information, please do not hesitate to contact us.

Respectfully submitted,

  
John A. Fortkort  
Reg. No. 38,454  
[fortkort@hulseylaw.com](mailto:fortkort@hulseylaw.com)  
D 512.279.3105  
F 512.279.3101  
Enclosures**BEST AVAILABLE COPY**

Attorney Docket No.: MTRL023USO

PATENTS  
Customer No. 37,141**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Charles L. Sobchak et al.  
Serial No.: 10/790,168  
Filing Date: March 1, 2004  
Examiner: Not yet assigned  
Art Unit: 2817  
Title: LOW COST AND HIGH PERFORMANCE NARROWBAND  
INTERFERENCE CANCELLATION SYSTEM

**Certification Under 37 C.F.R. 1.8**Date of Mailing: June 29, 2004

I hereby certify that I have caused the documents indicated herein to be deposited with the United States Postal Service to Addressee under 37 CFR § 1.8 on the date indicated above and addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 and mailed on the above Date of Mailing.

  
Reina R. Bernfeld

MAIL STOP MISSING PARTS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Dear Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated June 1, 2004, enclosed please find a copy of the duly executed Declaration and Power of Attorney for the above-referenced matter which was filed with the original patent application on March 1, 2004, as evidenced by the Utility Patent Application Transmittal, a copy of which is enclosed. Please also find enclosed the Patent office copy of the Notice to File Missing Parts of Nonprovisional Application.

**BEST AVAILABLE COPY**

Attorney Docket No.: MTRL023US0

PATENTS  
Customer No. 37,141

It is believed that no fee is due with this Response as the Declaration and Power of Attorney was previously submitted with the original application, however, should it be determined that a fee is due with the filing of this Response, the Commissioner is hereby authorized to charge or credit any overpayment to the deposit account of Hulsey Grether + Fortkort, LLP, Deposit Account No. 50-2726.

Respectfully submitted,

HULSEY GRETHER + FORTKORT, LLP

Dated: \_\_\_\_\_

*Signed copy underneath -*  
By: *top part of P cut-off*

John A. Fortkort

Reg. No. 38,454

8911 N. Capital of Texas Hwy., Suite 3200

Austin, Texas 78759

Telephone: (512) 279-3104

Facsimile: (512) 279-3101

BEST AVAILABLE COPY

Aug 18 04 10:49a

HulseyLaw

5122793101

P.5

Authority was previously submitted with the original application, however, should it be determined that a fee is due with the filing of this Response, the Commissioner is hereby authorized to charge or credit any overpayment to the deposit account of Hulsey Grether + Fortkort, LLP, Deposit Account No. 50-2726.

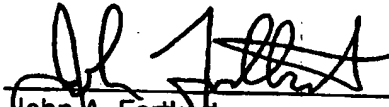
Respectfully submitted,

HULSEY GRETHER + FORTKORT, LLP

Dated:

6-29-2004

By:



John A. Fortkort  
Reg. No. 38,454

8911 N. Capital of Texas Hwy., Suite 3200  
Austin, Texas 78759  
Telephone: (512) 279-3104  
Facsimile: (512) 279-3101

BEST AVAILABLE COPY



COPY

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new non-provisional applications under 37 CFR 153(b))		PTOSB/05
		Attorney Docket Number: MTRL023US0 (SC13176ZC)
		First Named Inventor or Application Identifier: Charles Sobchak
		Title: Low Cost, Low Power, and High Performance Narrowband Interference Cancellation System
Express Mail Label No.: EV 417743065 US		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form (submitted in duplicate)
2. ☐ Applicant Claims Small Entity Status
3. ☒ Specification: Total Pages: 31
4. ☒ Drawing(s) (35 U.S.C. 113): Total Sheets: 4
5. ☒ Oath or Declaration: Total pages: 2
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)
    - i. ☐ Deletion of Inventor(s). Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Assignment papers (cover sheet & document(s))
9. ☐ CFR 3.73(b) Statement (when there is an assignee)
  - ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement. (IDS)/PTO-1449.
  - ☐ Copies of IDS citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard. (MPEP 503) (should be specifically itemized.)
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed.)
15. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Must attach form PTO/SB/35 or its equivalent.
16. ☐ Credit Card Authorization for Payment

17. If a Continuing Application: (check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part of prior application No. \_\_\_\_\_  
 Prior application Information: Examiner \_\_\_\_\_ Group/Art Unit \_\_\_\_\_

For Continuation or Divisional only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

Correspondence Address:

37.141 Customer Number or Bar Code Label:

Correspondence Address:

Margaret M. Kelton  
 8911 N. Capital of Texas Hwy., Suite 3200  
 Austin, Texas 78759  
 Telephone: 512/ 795-0095 Facsimile: 512/795-9905

Margaret M. Kelton

3/1/04

BEST AVAILABLE

Feb. 27. 2004 5:32PM 561 3285  
Feb 28 04 02:11p HulseyLaw

MOTOROLA WITC

No. 2640

P. 6 05  
P. 5

5127858905

Copy

Attorney Docket No.: WITC2640 (SCI)17620

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**A Low Cost, Low Power, and High Performance  
Narrowband Interference Cancellation System**

the specification of which (check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_

as Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

☐ Yes ☐ No

(Number)

(Country)

(Day/Month/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial #)

(Filing Date)

(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

BEST AVAILABLE

Feb 27, 2004 3:38PM 5617 205  
 Feb 28 04 02:12p HulseyLaw

MOTOROLA WITC  
 5127958805

No. 2543

P. 1. 06  
 P. 6

COPY

Attorney Designation: MTR0228330 (PC131762C)

made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Margaret M. Kahon, Reg. No. 44,182  
 John A. Fortner, Reg. No. 38,434  
 William N. Halsey, III, Reg. No. 33,402  
 Heins D. Grother, Reg. No. 34,611  
 Greg Goddard, Reg. No. 44,721  
 Aaron A. Weiss, Reg. No. 46,163  
 Michael Bakewell-Lambert, Reg. No. 34,291  
 Barry J. Baumgardner, Reg. No. 38,397  
 Lee E. Chapman, Reg. No. 35,479  
 Jonathan G. Chitt, Reg. No. 43,629  
 James L. Chign, Jr., Reg. No. 30,163  
 David G. Dehmel, Reg. No. 41,711  
 Patricia S. Goddard, Reg. No. 35,160  
 Daniel D. Hill, Reg. No. 35,895  
 Susan C. Hill, Reg. No. 35,896  
 Robert L. King, Reg. No. 30,185  
 Michael P. Norman, Reg. No. 42,038  
 Mark D. Patrick, Reg. No. 41,243  
 Jonathan E. Rethy, Reg. No. 34,415  
 Robert A. Rodriguez, Reg. No. 45,049  
 Kim Marie Vo, Reg. No. 50,714  
 Jennifer B. Wusner, Reg. No. 40,878

Send correspondence to Margaret M. Kahon, Halsey, Grother, Fortner and Webster, LLP, 8911 N. Capital of Texas Hwy, Suite 1200, Austin, Texas 78759 and direct all telephone calls to Ms. Kahon at 512.795.0095.

FULL NAME OF FIRST INVENTOR:

INVENTOR'S SIGNATURE:

DATE:

CITIZENSHIP:

RESIDENCE:

POST OFFICE ADDRESS:

Charles L. Sobchak

Charles L. Sobchak  
2/27/2004

U.S.A.

David, Florida

540 Gordon Ave.  
 David, Florida 33325

BEST AVAILABLE COPY

Feb. 27. 2004 3:33PM  
 8/18/04 10:50a  
 Feb 28 04 02:12p

HulseyLaw

COPY

MOTOROLA WTC  
 5127859305

No.2540

P. 8 87  
 P. 7

Amway Patent No. MTR00150 (SC131762C)

FULL NAME OF SECOND INVENTOR:

Mahmud Rahman

INVENTOR'S SIGNATURE:

*[Signature]*

DATE:

Feb. 27, 2004

CITIZENSHIP:

USA

RESIDENCE:

Lake Worth, Florida

POST OFFICE ADDRESS:

7289 Shell Ridge Terrace  
 Lake Worth, Florida 33467

FULL NAME OF THIRD INVENTOR:

David R. Hamb

INVENTOR'S SIGNATURE:

*[Signature]*

DATE:

2/27/2004

CITIZENSHIP:

USA

RESIDENCE:

San Diego, Florida California DRH

POST OFFICE ADDRESS:

13664 Lindemore Lane  
 San Diego, California 92128

FULL NAME OF FOURTH INVENTOR:

Louis J. Vermatha

INVENTOR'S SIGNATURE:

*[Signature]*

DATE:

Feb 27 2004

CITIZENSHIP:

USA

RESIDENCE:

Crestal Lake, Illinois

POST OFFICE ADDRESS:

4712 Wild Cherry Rd  
 Crestal Lake, Illinois 60012

BEST AVAILABLE COPY